

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2075	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.			
Reclamation District No. 2075 McMullin	M *	7.52				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.02		0.02	0.27%		
Trim / Thin Trees	0.04		0.04	0.53%		
Encroachments					0.52	
Crown Surface / Depressions / Rutting	0.01		0.01	0.13%		
<i>Supplemental</i>						
DWR Erosion Survey		0.01	0.04	0.53%		
<i>LMA Totals:</i>	0.07	0.01	0.11	1.46% *	0.52	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2010 Levee Inspection Results

Reclamation District No. 2075 McMullin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Reclamation District No. 2075 McMullin

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	7.52
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/16/2010		9/23/2010	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Mr. Eddie Cordoza Reclamation District 2075		Mr. Eddie Cordoza Reclamation District 2075	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 2075 McMullin

Waterway						Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 San Joaquin River						Right	7.52	11/12/2010 11/12/2010		Herman Phillips
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.09	0.09	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.734580 ° -121.288559 °	38.734580 ° -121.288559 °	15 Y
2	0.09	0.09	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.734580 ° -121.288559 °	38.734580 ° -121.288559 °	16 Y
3	0.92	0.92	Earthen Levee	Crown Surface / Depressions / Rutting	WS	A	Inspector Comments: This item was identified with an Unacceptable rating in the USACE PI report for the San Joaquin River East Levee System (MCMU_2009_a_0062). Reinspecton on 12/2/10 revealed that repairs were made as indicated in the 11/8/10 letter from KSN.	37.741007 ° -121.282028 °	37.741007 ° -121.282028 °	17 Y
4	1.11	1.16	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.738457 ° -121.281812 °	37.737835 ° -121.281708 °	1
5	1.19	1.20	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.737462 ° -121.281638 °	37.737322 ° -121.281563 °	3
6	1.26	1.44	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.736473 ° -121.281585 °	37.735173 ° -121.284033 °	4
7	1.32	1.32	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.735710 ° -121.282315 °	37.735710 ° -121.282315 °	5
8	1.41	1.41	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.735277 ° -121.283537 °	37.735277 ° -121.283537 °	6
9	2.32	2.32	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.731507 ° -121.293760 °	37.731507 ° -121.293760 °	7
10	2.73	2.73	Earthen Levee	Crown Surface / Depressions / Rutting	WS	M	Inspector Comments: This item was identified with an Unacceptable rating in the USACE PI report (MCMU_2009_a_0096). Reinspecton on 12/2/10 revealed that repairs were made as indicated in the 11/8/10 letter from KSN, however new depressions present.	37.725810 ° -121.294645 °	37.725810 ° -121.294645 °	18 Y
11	2.91	2.91	Earthen Levee	Crown Surface / Depressions / Rutting	LS	A	Inspector Comments: This item was identified with an Unacceptable rating in the USACE PI report for the San Joaquin River East Levee System (MCMU_2009_a_0107). Reinspecton on 12/2/10 revealed that repairs were made as indicated in the 11/8/10 letter from KSN.	37.724037 ° -121.292593 °	37.724037 ° -121.292593 °	20 Y
12	3.32	3.32	Earthen Levee	Crown Surface / Depressions / Rutting	LS	A	Inspector Comments: This item was identified with an Unacceptable rating in the USACE PI report for the San Joaquin River East Levee System (MCMU_2009_a_0102). Reinspecton on 12/2/10 revealed that repairs were made as indicated in the 11/8/10 letter from KSN.	37.719437 ° -121.287863 °	37.719437 ° -121.287863 °	19 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 2075 McMullin

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Right	7.52	11/12/2010 11/12/2010	Herman Phillips

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
13	4.54	4.54	Earthen Levee	Encroachments	LS	C	Agricultural Ditch	37.720852 ° -121.278078 °	37.720852 ° -121.278078 °	13
14	5.34	5.35	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 10/05/2010: No significant changes observed on site. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. [2010 SiteID: RD2075U01RM64.34]	37.727933 ° -121.274491 °	37.727933 ° -121.274491 °	2 Y
15	5.62	5.62	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.724947 ° -121.271103 °	37.724947 ° -121.271103 °	8
16	6.52	6.55	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.717362 ° -121.258437 °	37.719107 ° -121.258697 °	9
17	6.68	6.87	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.717362 ° -121.258437 °	37.714633 ° -121.258737 °	10
18	6.93	7.00	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.714010 ° -121.259605 °	37.713777 ° -121.260675 °	11
19	7.01	7.01	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.713815 ° -121.260743 °	37.713815 ° -121.260743 °	12

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Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	11/12/2010 11/12/2010	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.09
End Levee Mile	0.09
Location	Water Side
Category	Earthen Levee
Item	Vegetation

RD 2075 looking downstream from leve mile 0.09
landside slope, slopes has been sprayed by
District.. 11-12-2010

phillips_f_20101115_306.jpg



Levee Mile Report Line	2
Start Levee Mile	0.09
End Levee Mile	0.09
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Water side RD 2075 looking downstream of levee
mile 0.09 11-12-2010

phillips_f_20101115_305.jpg



Levee Mile Report Line	3
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Water Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Photo taken from waterside during 12/2/2010
reinspection. Repairs made to depressions on
levee slope.

jpaasch_f_20101206_307.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 2075 McMullin

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Unit No. 01 San Joaquin River	Right	7.52	11/12/2010 11/12/2010	Herman Phillips

Levee Mile Report Line	3
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Water Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Additional photo taken during 12/2/10 reinspection from crown looking downstream.	
jpaasch_f_20101206_308.jpg	



Levee Mile Report Line	10
Start Levee Mile	2.73
End Levee Mile	2.73
Location	Water Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Photo taken from crown looking down waterside slope during 12/2/2010 reinspection. Repairs were made to depressions on levee slope as indicated in KSN letter. Since then, vehicular traffic has created new ruts in repaired area approximately 1 to 6 inches in depth.	
jpaasch_f_20101206_309.jpg	



Levee Mile Report Line	10
Start Levee Mile	2.73
End Levee Mile	2.73
Location	Water Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Photo taken during 12/2/10 reinspection from the waterside. Depressions from vehicle traffic made in previously repaired area.	
jpaasch_f_20101206_310.jpg	



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Unit No. 01 San Joaquin River	Right	7.52	11/12/2010 11/12/2010	Herman Phillips

Levee Mile Report Line	11
Start Levee Mile	2.91
End Levee Mile	2.91
Location	Land Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Photo taken during 12/2/10 reinspection from the landside toe looking downstream. Depression has been repaired and area has been graded to drain into tailwater collection system.

jpaasch_f_20101206_313.jpg



Levee Mile Report Line	11
Start Levee Mile	2.91
End Levee Mile	2.91
Location	Land Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Photo taken on landside looking toward levee. Area has been graded to drain into collection system. Depression has been repaired.

jpaasch_f_20101206_314.jpg



Levee Mile Report Line	12
Start Levee Mile	3.32
End Levee Mile	3.32
Location	Land Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Photo taken from landside toe looking downstream during 12/2/2010 reinspection. Repairs were made to depression off of the levee toe as indicated in KSN letter. Area graded to drain to tailwater collection system.

jpaasch_f_20101206_311.jpg



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Unit No. 01 San Joaquin River	Right	7.52	11/12/2010 11/12/2010	Herman Phillips

Levee Mile Report Line	12
Start Levee Mile	3.32
End Levee Mile	3.32
Location	Land Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Photo taken from levee toe looking upstream at repaired depression. Depression was located between the drainage inlet and the levee toe.

jpaasch_f_20101206_312.jpg



Levee Mile Report Line	14
Start Levee Mile	5.34
End Levee Mile	5.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking upstream of site towards the levee crown.

SJR2010_RM64.34U1LM5.34RBa.jpg



Levee Mile Report Line	14
Start Levee Mile	5.34
End Levee Mile	5.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking upstream of site at the leaning tree.

SJR2010_RM64.34U1LM5.34RBb.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.52	11/12/2010 11/12/2010	Herman Phillips

Levee Mile Report Line	14
Start Levee Mile	5.34
End Levee Mile	5.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking upstream of site towards the levee crown.

SJR2010_RM64.34U1LM5.34RBc.jpg



Levee Mile Report Line	14
Start Levee Mile	5.34
End Levee Mile	5.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

View of the affected tree from the levee crown.

SJR2010_RM64.34U1LM5.34RBd.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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